

CLAIMS

What is claimed is:

1. A method of cloaking encrypted data, comprising:
5 encapsulating a serial data stream of encrypted data into IP packets; and
transmitting said IP packets of encrypted data on a public IP network.
- 10 2. The method of cloaking encrypted data according to claim 1, wherein:
said public network is an Internet.
- 15 3. The method of cloaking encrypted data according to claim 1, wherein:
said IP packets are transmitted via an ISDN router.
- 20 4. The method of cloaking encrypted data according to claim 1, wherein:
said IP packets are transmitted over a satellite terminal.
- 25 5. The method of cloaking encrypted data according to claim 1, further comprising:
encrypting data using a Type 1 encryption unit.
6. The method of cloaking encrypted data according to claim 5, wherein said Type 1 encryption unit comprises:
a KIV type encryption unit.

7. The method of cloaking encrypted data according to claim 6, wherein said Type 1 KIV-type encryption unit comprises:
a KIV-7 encryption unit.

5 8. The method of cloaking encrypted data according to claim 1, wherein said serial data stream of encrypted data comprises:
Voice over IP (VoIP) data.

9. The method of cloaking encrypted data according to
10 claim 1, wherein:
said serial data stream is a synchronous serial data stream.

10. The method of cloaking encrypted data according to claim 9, wherein:
15 said synchronous serial data stream is an RS-530 data stream.

11. The method of cloaking encrypted data according to claim 1, further comprising:
20 combining data from two voice sources into said serial data stream before said encapsulation.

12. Apparatus for cloaking encrypted data in a deployable, secure communication terminal, comprising:
25 means for encapsulating a serial data stream of encrypted data into IP packets; and
 means for transmitting said IP packets of encrypted data on a public IP network.

13. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 12, wherein:

said public network is an Internet.

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14. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 12, wherein:

said IP packets are transmitted via an ISDN router.

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15. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 12, wherein:

said IP packets are transmitted over a satellite terminal.

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16. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 12, further comprising:

means for encrypting data using a Type 1 encryption unit.

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17. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 16, wherein said Type 1 encryption unit comprises:

a KIV type encryption unit.

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18. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 17, wherein said Type 1 KIV-type encryption unit comprises:

a KIV-7 encryption unit.

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19. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 12, wherein said serial data stream of encrypted data comprises:

Voice over IP (VoIP) data.

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20. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 12, wherein:

said serial data stream is a synchronous serial data stream.

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21. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 20, wherein:

15 said synchronous serial data stream is an RS-530 data stream.

22. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 12, further comprising:

20 means for combining data from two voice sources into said serial data stream before said means for encapsulating encapsulates said serial data stream.

23. The apparatus for cloaking encrypted data in a deployable, secure communication terminal according to claim 22, wherein said means for combining data from two voice sources comprises:

a voice-enabled router.

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24. A secure communications device, comprising:
means for encrypting a data stream into an encrypted data
stream;

5 means for encapsulating said encrypted data stream for
transmission to another secure communications device using IP protocol;
and

means for routing said encapsulated, encrypted data stream
over an Internet.

10 25. The secure communications device according to claim
24, wherein said means for routing comprises:
an Ethernet to ISDN router.

26. The secure communications device according to claim
15 24, wherein said means for encrypting comprises:
A KIV-7 encryption unit.

27. The secure communications device according to claim
24, wherein:
20 said means for encapsulating converts a RS-530
synchronous serial data stream into an IP data stream.